



18379 U.S. PTO

1/8/04

*In the United States Patent and Trademark Office*

Parent Appn. Number: 10/007,489  
Parent Appn. Filed: 12/05/2001  
Applicant: Elizabeth Gay Frayne  
Parent Appn. Title: "Microbial Production of Nuclease Resistant DNA,  
RNA, and Oligo Mixtures"  
Examiner: Devesh Khare, PhD, JD  
Art Unit:1623

31355 U.S. PTO  
10/760156



Assistant Commissioner for Patents  
Washington, District of Columbia 20231

Sir:

I wish to submit the divisional application named below. The claims for this application correspond to claims 6-7 of the parent application number 10/007,489.

Title: New title "Use of a Modified Phosphate for Enhancing the Natural Mutation Rate in Bacteria and Mutating Recombinant DNA Phage Inserts."

Specification: Please refer to the 10 page substitute specification enclosed. The amendments were too numerous to simply correct the original application. The substitute specification contains no new matter.

The examples are unchanged from the original application. Example I and II correspond to example IV of the parent application and are unchanged with respect to the original. An expanded background and description is provided.

Figures: A diagrammatic figure (Fig. 1) has been included.

Claims: Two dependent claims now 1-2 are elected that correspond to claims 6-7 of parent application and are unchanged.

Information Disclosure: A two page disclosure had been included.

Respectfully submitted,

A handwritten signature in black ink, reading "Elizabeth Gay Frayne". The signature is written in a cursive style with a large, stylized "E" and "F".

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012004

PTO/SB/06 (08-03)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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<b>PATENT APPLICATION FEE DETERMINATION RECORD</b>						Application or Docket Number			
Substitute for Form PTO-875									
<b>CLAIMS AS FILED - PART I</b>									
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA		RATE	FEE	RATE	FEE		
BASIC FEE (27 CFR 1.16(a))					\$ 385		\$		
TOTAL CLAIMS (37 CFR 1.16(c))	minus 20 =	*		X \$		X \$			
INDEPENDENT CLAIMS (37 CFR 1.16(b))	minus 3 =	*		X \$		X \$			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))				+	\$	+	\$		
				TOTAL	385	TOTAL			
* If the difference in column 1 is less than zero, enter "0" in column 2.									
<b>CLAIMS AS AMENDED - PART II</b>									
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDI- TIONAL FEE	RATE	ADDI- TIONAL FEE
	Total (37 CFR 1.16(c))	*	Minus	**	=	X \$		X \$	
	Independent (37 CFR 1.16(b))	*	Minus	***	=	X \$		X \$	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+	\$	+	\$
						TOTAL ADD'L FEE		TOTAL ADD'L FEE	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDI- TIONAL FEE	RATE	ADDI- TIONAL FEE
	Total (37 CFR 1.16(c))	*	Minus	**	=	X \$		X \$	
	Independent (37 CFR 1.16(b))	*	Minus	***	=	X \$		X \$	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+	\$	+	\$
						TOTAL ADD'L FEE		TOTAL ADD'L FEE	
AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDI- TIONAL FEE	RATE	ADDI- TIONAL FEE
	Total (37 CFR 1.16(c))	*	Minus	**	=	X \$		X \$	
	Independent (37 CFR 1.16(b))	*	Minus	***	=	X \$		X \$	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+	\$	+	\$
						TOTAL ADD'L FEE		TOTAL ADD'L FEE	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.									

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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